Thus the bottle is charged with its own fire, no other being to be had while the glaſs plate is under the cuſhion.

Hang two cork balls by flaxen threads to the prime conductor; then touch the coating of the bottle, and they will be electrified and recede from each other.

For juſt as much fire as you give the coating, ſo much is diſcharged through the wire upon the prime conductor, whence the cork balls receive an electrical atmoſphere. But

Take a wire bent in the form of a C, with a ſtick of wax fixed to the outſide of the curve, to hold it by; and apply one end of this wire to the coating, and the other at the ſame time to the prime conductor, the phial will be diſcharged; and if the balls are not electrified before the diſcharge, neither will they appear to be ſo after the diſcharge, for they will not repel each other.

Now if the fire diſcharged from the inſide ſurface of the bottle through its wire, remained on the prime conductor, the balls would be electrified and recede from each other.

If the phial really exploded at both ends, and diſcharged fire from both coating and wire, the balls would be *more* electrified and recede *farther*: for none of the fire can eſcape, the wax handle preventing.

But if the fire, with which the inſide ſurface is ſurcharged, be ſo much preciſely as is wanted by the outſide ſurface, it will paſs round through the wire fixed to the wax handle,

handle, reſtore the equilibrium in the glaſs, and make no alteration in the ſtate of the prime conductor.

Accordingly we find, that if the prime conductor be electrified, and the cork balls in a ſtate of repellency before the bottle is dis charged, they continue ſo afterwards. If not, they are not electrified by that diſcharge,

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PAGE 2, Sect. 1. We ſince find, that the fire in the bottle is not contained in the non-electric, but *in the glaſs*. All that is after ſaid of the *top* and *bottom* of the bottle, is true of the *inſide* and *outſide* ſurfaces, and ſhould have been ſo expreſſed. *See Sect.* 16, p. 24 16.

Page 6, Line 13. The equilibrium will ſoon be reſtored *but ſilently*, &c. This muſt have been a miſtake. When the bottle is full charged, the crooked wire cannot well be brought to touch the top and bottom ſo quick, but that there will be a loud ſpark; unleſs the points be ſharp, without loops.

Ibid. line ult. *Outſide*: add, ſuch moiſture continuing up to the cork or wire.

Page 12, line 14. *By candle-light* &c. From ſome obſervations ſince made, I am inclined to think, that it is not the light, but the ſmoke or non-electric effluvia from the